DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No. 16313-0037

In re Application of: Oswaldo da Costa e Silva, Hans J. Bohnert, Nocha van Thielen, Rouying Chen and Manabu Ishitani

As below named inventors, we hereby declare that:

and joint inventors of the Transdiction Stress-Rela 2 0 2001 is att	subject matter valued Proteins and ached hereto. filed on April 6, 20 ave reviewed and	which is claimed and for d Methods of Use in Plan 101 as Application No. 09/82	of the above-identified specification	the invention entitled "Signal ation, including the claims, as
country before our invention was not in public use or cunderstand that we have a	ent referred to able of America before thereof or more on sale in the Unduty of candor a	ove. We do not know a fore our invention thereo the than one year prior to the nited States of America a and good faith toward the	and do not believe that the same f, or patented or described in a the date of this application. We to more than one year prior to the the Patent and Trademark Office, is application in accordance with	e was ever known or used by ny printed publication in any further state that the invention e date of this application. We and we acknowledge the duty
or inventor's certificate lis	sted below, and le n common with the	have also identified belo	tes Code, §119 (a)-(d) of the for w any foreign application for p fication and having a filing date	atent or inventor's certificate
Application No.	Country	Filing Date	Priority Claimed Under 3	35 USC §119
			Yes	No
I hereby claim the benefit below:	t under Title 35,	United States Code, §	119(e) of any United States pro	ovisional application(s) listed
60/196,001 (Application No.)		April 7, 2000 (Filing Date)	(Application No.)	(Filing Date)
We hereby claim the henet	Stunder Title 25	United States Code 812	A of any United States application	on(a) listed helow and incofer
as the subject matter discle manner provided by the f	osed and claimed irst paragraph of Title 37, Code of	in the present application Title 35, United States of Federal Regulations, §	0 of any United States application is not disclosed in the prior U Code §112, We acknowledge §1.56 which became available but this application:	nited States application in the the duty to disclose material
as the subject matter discle manner provided by the f information as defined in	osed and claimed first paragraph of Title 37, Code of ational or PCT in	in the present application Title 35, United States of Federal Regulations, §	n is not disclosed in the prior U Code §112, We acknowledge 1.56 which became available b	nited States application in the the duty to disclose material between the filing date of the
as the subject matter disclemanner provided by the finformation as defined in prior application and the matter application Serial No. We further declare that all and belief are believed to be the like so made are punis	osed and claimed irst paragraph of Title 37, Code cational or PCT in Filin I statements mad be true; and furth hable by fine or	in the present application of Title 35, United States of Federal Regulations, § sternational filing date of the management of the tree of	n is not disclosed in the prior U Code §112, We acknowledge §1.56 which became available bethis application:	nited States application in the the duty to disclose material between the filing date of the adoned tements made on information at willful false statements and f the United States Code, and
as the subject matter disclemanner provided by the finformation as defined in prior application and the national serial No. Application Serial No. We further declare that all and belief are believed to the like so made are punis that such willful false state POWER OF ATTORNEY: and Trademark Office connections.	osed and claimed irst paragraph of Title 37, Code cational or PCT in Filing I statements mad be true; and furth hable by fine or ments may jeopa The following attoected therewith: P985; Lisa M. Co	in the present application of Title 35, United States of Federal Regulations, § Iternational filing date of the Date. The herein of our own known that these statement wimprisonment, or both, undize the validity of the authorized arreys are hereby appointed leter G. Pappas - 33,205	n is not disclosed in the prior U Code §112, We acknowledge 1.56 which became available bethis application: Status: patented, pending, abar wledge are true and that all statere made with the knowledge the	nited States application in the the duty to disclose material between the filing date of the adoned tements made on information at willful false statements and if the United States Code, and it thereon. ransact all business in the Patent William L. Warren - 36,714;
as the subject matter disclemanner provided by the finformation as defined in prior application and the national subject of the like so made are punist that such willful false state. POWER OF ATTORNEY: and Trademark Office connumichael S. Pavento - 42, P47,754; Kevin W. King - Send correspondence to: State of the subject of the subje	osed and claimed irst paragraph of Title 37, Code of ational or PCT in Filim I statements mad be true; and furth hable by fine or ments may jeopa The following attoected therewith: P 985; Lisa M. Co. 42,737.	in the present application of Title 35, United States of Federal Regulations, § Iternational filing date of the Ing Date. The herein of our own known that these statement with imprisonment, or both, undize the validity of the autority are hereby appointed the tetro. Pappas - 33,205 about - 44,669; Robert ASBILL & BRENNAN I et, NE	n is not disclosed in the prior U Code §112, We acknowledge £1.56 which became available this application: Status: patented, pending, abar wledge are true and that all statere made with the knowledge the nder Section 1001 of Title 18 o pplication or any patents issuing to prosecute this application and to the prosecute this application and to the prosecute the pr	nited States application in the the duty to disclose material between the filing date of the adoned tements made on information at willful false statements and if the United States Code, and is thereon. ransact all business in the Patent William L. Warren - 36,714; elly - 44,822; Jerry C. Liu - (404) 853-8000
as the subject matter disclemanner provided by the finformation as defined in prior application and the national subject of the like so made are punist that such willful false state. POWER OF ATTORNEY: and Trademark Office connumichael S. Pavento - 42, P47,754; Kevin W. King - Send correspondence to: State of the subject of the subje	osed and claimed irst paragraph of Title 37, Code of ational or PCT in Filim I statements mad be true; and furth hable by fine or ments may jeopa The following attoected therewith: P 985; Lisa M. Code 42,737. UTHERLAND A D9 Peachtree Streetlanta, GA 30309 inventor Oswald	in the present application of Title 35, United States of Federal Regulations, § Iternational filing date of the Ing Date. The herein of our own known that these statement with imprisonment, or both, undize the validity of the authorize the validity of the authorize are hereby appointed eter G. Pappas - 33,205 abern - 44,669; Robert ASBILL & BRENNAN I et, NE 9-3996	n is not disclosed in the prior U Code §112, We acknowledge £1.56 which became available bethis application: Status: patented, pending, abar wledge are true and that all statere made with the knowledge the nder Section 1001 of Title 18 of pplication or any patents issuing to prosecute this application and bethe prosecute this application and bethe prosecute the p	nited States application in the the duty to disclose material between the filing date of the adoned tements made on information at willful false statements and if the United States Code, and is thereon. ransact all business in the Patent William L. Warren - 36,714; telly - 44,822; Jerry C. Liu - (404) 853-8000 obern, Esq.

Full name of second inventor: Hans J. Bohnert	Citizenship: Germany
Inventor's signature	Date:
Residence and Post Office Address: 5400 East Williams Blvd	d., Apartment 13-208, Tucson, Arizona 85710

Full name of third inventor: Nocha van Thielen	Citizenship: Canada
Inventor's signature	Date:
Residence and Post Office Address: 206-T Hyde Park Ct., C	ary, North Carolina 27513

Full name of fourth inventor: Rouying Chen	Citizenship: China
Inventor's signature	Date:
Residence and Post Office Address: 105 Collier Place 1-C	G, Cary, North Carolina 27513

Full name of fifth inventor: Manabu Ishitani	Citizenship: Japan
Inventor's signature	Date:
Residence and Post Office Address: 1103 Millhouse Drive.	Cary, North Carolina 27513

DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No. 16313-0037

In re Application of: Oswaldo da Costa e Silva, Hans J. Bohnert, Nocha van Thielen, Rouying Chen and Manabu Ishitani

As below named inventors,	we hereby decla	re that:		
Transduction Stress-Relate 2 0 2001	ed Proteins and the hereto. ed on April 6, 20	Methods of Use in Pla Of as Application No. 09/8	relow next to our names. We believe which a patent is sought on the ants", the specification of which: 28,447. of the above-identified specification	
others in the United States country before our invention was not in public use or or understand that we have a d	of America before the control of the control of the United States of the United States of the Control of the Co	ore our invention thered e than one year prior to nited States of America and good faith toward th	and do not believe that the same wof, or patented or described in any the date of this application. We furt more than one year prior to the date Patent and Trademark Office, and his application in accordance with	printed publication in any her state that the invention ate of this application. We we acknowledge the duty
or inventor's certificate liste	ed below, and he common with the	nave also identified belo	ates Code, §119 (a)-(d) of the foreign application for pate ification and having a filing date be	nt or inventor's certificate
Application No.	Country	Filing Date	Priority Claimed Under 35 I	JSC §119
			Yes	No
I hereby claim the benefit below:	under Title 35,	United States Code, §	119(e) of any United States provis	sional application(s) listed
60/196,001		April 7, 2000		
(Application No.)		(Filing Date)	(Application No.)	(Filing Date)
as the subject matter disclos manner provided by the fir	ed and claimed st paragraph of itle 37, Code of	in the present application. Title 35, United States of Federal Regulations,	20 of any United States application (so is not disclosed in the prior Unites Code §112, We acknowledge the §1.56 which became available between this application:	ed States application in the duty to disclose material
Application Serial No.	Filin	g Date	Status: patented, pending, abando	<u>ned</u>
and belief are believed to be the like so made are punish:	true; and furth	er that these statement wimprisonment, or both,	owledge are true and that all statem were made with the knowledge that wander Section 1001 of Title 18 of the application or any patents issuing the	villful false statements and ne United States Code, and
and Trademark Office connec	ted therewith: Po 35; Lisa M. Co	eter G. Pappas - 33,20:	l to prosecute this application and trans 5; Daniel J. Warren - 34,272; Wil A. Lester - 24,004; Erinn C. Kelly	liam L. Warren - 36,714;
	THERLAND A Peachtree Stree	et, NE	LLP Direct telephone calls at (40	
Full name of sole or first inv Inventor's signature	entor: Oswaldo	o da Costa e Silva	Citizenship: Brazil	
Residence and Post Office A	ddress: 203 Li	ttleford Lane, Apex. No	Date: rth Carolina 27502	
		enarately numbered cheets		

Full name of second inventor: Hans J. Bohnert	Citizenship: Germany
Inventor's signature	Date:
Residence and Post Office Address: 5400 East Williams Blvd.,	Apartment 13-208, Tucson, Arizona 85710
(-A-	
Full name of third inventor (Noorla van Thielen	Citizenship: Canada

Full name of third inventor of Noor an Thielen	Citizenship: Canada]
Inventor's signature	Date: 5.30.200	
Residence and Post Office Address: 206-T Hyde Park Ct., Cary, I	North Carolina 27513]
<u></u>		

Full name of fourth inventor: Rouying Chen	Citizenship: China
Inventor's signature	Date:
Residence and Post Office Address: 105 Collier Place 1-C	G, Cary, North Carolina 27513

Full name of fifth inventor: Manabu Ishitani	Citizenship: Japan
Inventor's signature	Date:
Residence and Post Office Address: 1103 Millhouse Drive,	Cary, North Carolina 27513

BECLARATION AND POWER OF A TORNEY

Attorney's bocket No. 16313-0037

In re Application of: Oswaldo da Costa e Silva, Hans J. Bohnert, Nocha van Thielen, Ruoying Chen and Manabu Ishitani

As below named inventors, we hereby declare that:

joint in enteriors of the subject Stress-Related Proteins and is attack. We hereby state that we has amended by any amendmen our invention thereof or more use or on sale in the United duty of candor and good fait is material to the examination. We hereby claim foreign prinventor's certificate listed hereby claim foreign prince hereby claim foreign	matter which is d Methods of Used hereto. End on April 6, 2001 we reviewed and treferred to abovice before our interest than one year States of American of this applicationity benefits unled we and have a selection.	as Application No. 09/ I understand the contive. We do not know evention thereof, or paprior to the date of the amore than one year evention in accordance with the continuation in accordance with the continuation of the continuation in accordance with the continuation of the continuati	th a patent is sought on the invercification of which: 828,447. Tents of the above-identified sp and do not believe that the same attented or described in any print is application. We further state of prior to the date of this applic office, and we acknowledge the Title 37, Code of Federal Registrates Code, §119 (a)-(d) of the any foreign application for pate	believe we are the original, first and nation entitled "Signal Transduction becification, including the claims, as the was ever known or used by others are publication in any country before that the invention was not in publication. We understand that we have a deduty to disclose information which gulations, §1.56. The foreign application(s) for patent or any or inventor's certificate disclosing one that of the application on which
1	Q	Eiling Data	Priority Claimed Und	or 25 LISC \$110
Application No.	Country	Filing Date	Priority Claimed Und	
				No
·				sional application(s) listed below:
60/196,001 (Application No.)	A	pril 7, 2000 Filing Date)	(Application No.)	(Filing Date)
the subject matter disclosed	and claimed in the aph of Title 35, f Federal Regula	he present application United States Code § tions, §1.56 which be	i is not disclosed in the prior Ur \$112, We acknowledge the dut	cation(s) listed below and, insofar as nited States application in the manner y to disclose material information as ing date of the prior application and
Application Serial No.	Filing	g Date	Status: patented, pending, a	bandoned
belief are believed to be true so made are punishable by willful false statements may	e; and further the fine or imprison jeopardize the v	at these statement wer ment, or both, under alidity of the applicat	re made with the knowledge that Section 1001 of Title 18 of the ion or any patents issuing there	
Trademark Office connected t	herewith Peter G	: Pannas - 33.205: D	aniel J. Warren - 34.272; Will	nd transact all business in the Patent and iam L. Warren - 36,714; Michael S. 2; Jerry C. Liu - P47,754; Kevin W.
999 Atl	Peachtree Stree anta, GA 30309	t, NE -3996		Cobern, Esq.
Full name of sole or first in	entor: Oswaldo	da Costa e Silva	Citizenship: Bra Date:	ızil
Inventor's signature Residence and Post Office A	Address: 203 Lit	tleford Lane, Apex, N		
Additional inventors are b	eing named on sep	arately numbered sheet	s attached hereto.	

Full name of second inventor: Hans J. Bohnert	Citizenship: Germany	
nventor's signature	Date:	
Residence and Post Office Address: 5400 East Williams Blvd.,	Apartment 13-208, Tucson, Arizona 85710	
Full name of third inventor: Nocha van Thielen	Citizenship: Canada	
nventor's signature	Date:	
Residence and Post Office Address: 206-T Hyde Park Ct., Cary	North Carolina 27513	
Full name of fourth inventor: Ruoying Chen	Citizenship: China,	
nventor's signature Residence and Post Office Address 105 Rustic Pine Court, Ape	Date: 6/4/2001	

Full name of fifth inventor: Manabu Ishitani	Citizenship: Japan
Inventor's signature	Date:
Residence and Post Office Address: 1103 Millhouse Drive, Cary, North C	arolina 27513

In re Application of: Oswaldo da Costa e Silva, Hans J. Bohnert, Nocha van Thielen, Rouying Chen and Manabu Ishitani

As below named inventors, we hereby declare that:

Our esidence, post office	addresses and citi	zenships are as stated b	elow next to our names. We believ	e we are the original, first
and joint inventors of the	subject matter w	nich is claimed and to	r which a patent is sought on the ints", the specification of which:	invention entitled "Signal
		intentous of Ose III Fla	inis, the specification of which.	
<i>(1)</i> ==	ached hereto.	01 as Application No. 09/8		
			28,447. of the above-identified specificatio	n including the claims as
			and do not believe that the same w	
			of, or patented or described in any	
			the date of this application. We furt	
			more than one year prior to the da	
			e Patent and Trademark Office, and	
	hich is material t	o the examination of the	nis application in accordance with	Title 37, Code of Federal
Regulations, §1.56.				
or inventor's certificate lis	sted below, and h	ave also identified belo	ates Code, \$119 (a)-(d) of the foreig ow any foreign application for pater ification and having a filing date be	nt or inventor's certificate
on which priority is claime		io according appearance appearance	inoution and naving a ming date oc.	ioto that of the apphearion
Application No.	Country	Filing Date	Priority Claimed Under 35 U	JSC §119
			Yes	
			100	110
I hereby claim the benefit below:	t under Title 35,	United States Code, §	119(e) of any United States provis	sional application(s) listed
60/196,001	A	pril 7, 2000		
(Application No.)		(Filing Date)	(Application No.)	(Filing Date)
manner provided by the f	irst paragraph of Title 37, Code o	Title 35, United States f Federal Regulations,	on is not disclosed in the prior Unite s Code §112, We acknowledge the §1.56 which became available betweethis application:	duty to disclose material
Application Serial No.	Filin	g Date	Status: patented, pending, abandon	ned
and belief are believed to be the like so made are punis	be true; and furthe hable by fine or i	er that these statement w mprisonment, or both, t	owledge are true and that all statem vere made with the knowledge that value section 1001 of Title 18 of the application or any patents issuing the	villful false statements and e United States Code, and
and Trademark Office conne	ected therewith: Pe 985; Lisa M. Col	eter G. Pappas - 33,20:	l to prosecute this application and trans 5; Daniel J. Warren - 34,272; Will A. Lester - 24,004; Erinn C. Kelly	liam L. Warren - 36,714;
Send correspondence to: SU	UTHERLAND A		LLP Direct telephone calls at (40	94) 853-8000
A	tlanta, GA 30309	-3996	Lisa M. Cober	n, Esq.
Full name of sole or first in	ventor: Oswaldo	da Costa e Silva	Citizenship: Brazil	
Inventor's signature			Date:	
Residence and Post Office	Address: 203 Lit	tleford Lane, Apex, Nor		
~				
Additional inventors are	haing named on as	parately numbered sheets	attached hereto	

Full name of second inventor: Hans J. Bohner	Citizenship: Germany
Inventor's signature	Date:
Residence and Post Office Address: 5400 East	Williams Blvd., Apartment 13-208, Tucson, Arizona 85710

Full name of third inventor: Nocha van Thielen	Citizenship: Canada
Inventor's signature	Date:
Residence and Post Office Address: 206-T Hyde Park Ct.	, Cary, North Carolina 27513

Full name of fourth inventor: Rouying Chen	Citizenship: China
Inventor's signature	Date:
Residence and Post Office Address: 105 Collier Place 1-	G, Cary, North Carolina 27513

Full name of fifth inventor: Manaby Ishitani	Citizenship: Japan
Inventor's signature Managu Lahi Tan	Date: 5/5/0/
Residence and Post Office Address: 1103 Millhouse Drive, Cary, N	North Carolina 27513

DECLARATION AND POWER OF ATTORNEY

Attorney's Docket No. 16313-0037

In re Application of: Oswaldo da Costa e Silva, Hans J. Bohnert, Nocha van Thielen, Rouying Chen and Manabu Ishitani

	As below named inventors, we hereby declare that:					
AU6 2 0	Transduction Stress-Rela 2001 is att was to was fereby state that we ha amended by any amendme others in the United States country before our invention was not in public use or of understand that we have a	ached hereto. Tiled on April 6, 20 Ave reviewed and and referred to able of America before thereof or more on sale in the Unduty of candor a	I Methods of Use in P 01 as Application No. 09 understand the content ove. We do not know ore our invention there e than one year prior to ited States of Americ and good faith toward to	below next to our names. We be for which a patent is sought on lants", the specification of which 1/828,447. Its of the above-identified specific and do not believe that the sare eof, or patented or described in the date of this application. We a more than one year prior to the Patent and Trademark Office this application in accordance with the patent and the pate	cation, including the claims, as ne was ever known or used by any printed publication in any further state that the invention he date of this application. We, and we acknowledge the duty	
	or inventor's certificate lis	ted below, and I common with the	nave also identified be	States Code, §119 (a)-(d) of the follow any foreign application for exification and having a filing da	patent or inventor's certificate	
	Application No.	Country	Filing Date	Priority Claimed Under	35 USC §119	
				Yes	No	
	as the subject matter discle manner provided by the f	it under Title 35, osed and claimed irst paragraph of Title 37, Code of	in the present applicate Title 35, United State of Federal Regulations	(Application No.) 120 of any United States application is not disclosed in the prior es Code §112, We acknowledg, §1.56 which became available of this application:	United States application in the e the duty to disclose materia	
	Application Serial No.	Filin	g Date	Status: patented, pending, ab	andoned	
	We further declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statement were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon. POWER OF ATTORNEY: The following attorneys are hereby appointed to prosecute this application and transact all business in the Paten and Trademark Office connected therewith: Peter G. Pappas - 33,205; Daniel J. Warren - 34,272; William L. Warren - 36,714 Michael S. Pavento - 42,985; Lisa M. Cobern - 44,669; Robert A. Lester - 24,004; Erinn C. Kelly - 44,822; Jerry C. Liu - P47,754; Kevin W. King - 42,737. Send correspondence to:SUTHERLAND ASBILL & BRENNAN LLP Direct telephone calls at (404) 853-8000					
	99	UTHERLAND A 9 Peachtree Streetlanta, GA 30309	et, NE		at (404) 853-8000 Cobern, Esq.	
	Full name of sole or first in	ventor: Oswald	o da Costa e Silva	Citizenship: Braz	il	
	Inventor's signature	.,,	·	Date:		
	Residence and Post Office	Address: 203 Li	ttleford Lane, Apex, N	orth Carolina 27502		

Additional inventors are being named on separately numbered sheets attached hereto.

Full name of second inventory Hans J/Bohnert	Citizenship: Germany
Inventor's signature	Date: 5/30/0/
Residence and Post Office Address: 5400 East Williams Blvd.	, Apartment 13-208, Tucson, Arizona 85710

Full name of third inventor: Nocha van Thielen	Citizenship: Canada
Inventor's signature	Date:
Residence and Post Office Address: 206-T Hyde Park Ct.	, Cary, North Carolina 27513

Full name of fourth inventor: Rouying Chen	Citizenship: China
Inventor's signature	Date:
Residence and Post Office Address: 105 Collier Place	1-G, Cary, North Carolina 27513

Full name of fifth inventor: Manabu Ishitani	Citizenship: Japan
Inventor's signature	Date:
Residence and Post Office Address: 1103 Millhou	ise Drive, Cary, North Carolina 27513